

KENNEDY SPACE CENTER

TROPICAL STORM AND HURRICANE PREPARATION

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CHANGE LOG

DATE	Description	REVISION
06/25/2020	<ul style="list-style-type: none"> • Emergency Coordinators (ECs) were changed to Hurricane Coordinators (HCs) throughout • 4.1.5 - The website "kscsos.com" was added to the list of sources for information regarding the Center's status • Institutional Services Contract (ISC) was changed to Base Operations & Spaceport Services (BOSS) throughout • 4.4, Initial Assessment, and Appendix F, Recovery Phase - new text added to make it clear that facilities on KEMCON's list of "prioritized facilities with potential environmental hazards" should only be entered initially by KEMCON Industrial Hygiene (IH) personnel, or in a team that includes IH personnel. • Appendix B - action updated, noting the HURCON IV action for KEMCON to validate/update list of prioritized facilities with potential environmental hazards, and send to KSC EOC • Appendix E - action updated to include the EOC's HURCON I action of advising Security, Fire, BOSS ROT Chief, and DART Chief that facilities on KEMCON's prioritized facilities list should not be entered prior to IH assessment • Appendix C - actions updated to indicate scheduling, announcing, and conducting the Ride-Out Team Briefing as an EOC action item during HURCON III • ISC Duty Office was changed to Spaceport Integration Center throughout • Information Management and Communications Support (IMCS) was changed to Kennedy Infrastructure, Applications and Communications (KIAC) throughout • Appendix G - corrected to indicate that Ride-Out Team assembly, briefing, and release generally occurs during HURCON III • Appendix G - Ride-Out Team Personnel Numbers table was edited to reflect current ROT staffing numbers per organization • Appendix H - updated to reflect current ROT staffing and sheltering locations, as well as to indicate that ROT personnel are expected to bring their own food (and bottled water, if desired) 	Rev E-2

DATE	Description	REVISION
	<ul style="list-style-type: none">• Appendix J, Generator Plan - amended to include permanently installed generator at the new Central Campus Headquarters Building• Appendix K, Generator Request form - amended to omit instructions to submit the form via fax• Appendix M - "Weather Safe" definition amended to provide a suggested wind speed threshold to guide the NEMO in making the "Weather Safe" declaration, at their discretion	

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1.0 PURPOSE

This National Aeronautics and Space Administration (NASA), Kennedy Space Center (KSC), Kennedy Documented Procedure (KDP)-KSC-P-3006 establishes uniform requirements, identifies roles and responsibilities, and describes essential actions necessary for the effective preparation for, response to, and initial recovery from tropical storms and hurricanes.

2.0 APPLICABILITY

This KDP applies to all KSC civil servants, KSC contractor organizations, and tenants operating within the boundaries of KSC and in NASA facilities on Cape Canaveral Air Force Station (CCAFS). Implementation of this KDP commences when a Hurricane Condition (HURCON) is declared or tropical storm preparations are deemed necessary. Each organization operating at KSC and CCAFS shall develop ancillary procedures to be implemented as HURCONs are declared. Refer to the attached Appendixes for specific HURCON action checklists. Other applicable KSC documents include Kennedy NASA Policy Directive [8710.1](#), KSC Emergency Management Program Policy, and Kennedy NASA Procedural Requirements [8715.2](#), Comprehensive Emergency Management Plan.

3.0 ROLES AND RESPONSIBILITIES

This section defines the roles and responsibilities of KSC personnel for the effective implementation of this KDP. Specific functional tasks and actions required by this KDP are described in Section 4, Execution of Storm Preparations and Response, and attached appendixes.

3.1 Center Director

The Center Director or designee has the ultimate responsibility for the safety and security of KSC and has the authority to deviate from this KDP as situations warrant. The Center Director or designee shall serve as chair of the Emergency Decision Team (EDT). When a HURCON is declared, the Center Director or designee shall coordinate the declaration with the 45th Space Wing (45 SW).

3.2 Emergency Decision Team

- a. The EDT membership shall include the Center Director, KSC senior management, and representation from KSC contractor, partner, and tenant senior management.
- b. The KSC EDT shall convene when a hurricane threat is determined by the NASA Emergency Management Officer (NEMO).
- c. The KSC EDT shall determine when this KDP is activated, or if winds are not expected to reach hurricane force, [KDP-KSC-P-3005](#), Adverse Weather may be implemented for severe weather preparations instead. For tropical storms, the EDT may declare a modified HURCON, based on the weather forecast and risk probabilities.

3.3 NASA Emergency Management Officer

The NEMO shall:

- a. Develop and maintain all NASA KSC emergency preparedness documentation and procedures.
- b. Determine the adequacy of KSC contractors' and tenants' emergency preparedness plans.
- c. Assemble the EDT upon imminent threat to KSC.
- d. Activate and lead the Emergency Operations Center (EOC) and issue pertinent announcements and notifications to the KSC workforce.
- e. Maintain frequent communication with the United States Air Force 45 SW Weather Operations Center, and facilitate the necessary weather reports to the EDT and other KSC organizations for decision making and situational awareness.
- f. Upon official approval of a HURCON declaration by the Center Director, notify the 45 SW Commander or designated representative of the HURCON as soon as possible.

- g. Serve as the Incident Commander (IC) for storm preparations at KSC, the storm ride-out operations, and the initial damage assessment.
- h. Recall the Damage Assessment and Recovery Team (DART) upon determining a "Weather Safe" condition.
- i. Continue to serve as the IC until the DART is assembled, a safety briefing has been conducted, and the DART Chief can assume command.

3.4 Emergency Operations Center

The EOC serves as the focal point for hurricane preparation and response. During damage assessment and recovery, the EOC Command transitions to the DART Chief. The NASA Kennedy Protective Services Contract (KPSC) II operates the EOC.

3.5 Ride-Out Team

The Ride-Out Team (ROT) shall reside at KSC for the duration of the storm. The purpose of the ROT is to keep essential infrastructure operational and perform initial damage assessment. Refer to Appendix G, Composition of the Ride-Out Team, for ROT membership.

3.6 Damage Assessment and Recovery Team

Refer to [KDP-KSC-P-3007](#), Damage Assessment and Recovery.

3.7 Emergency Support Function

Emergency Support Functions (ESF) are groupings of capabilities in an organizational structure that provide the support, resources, program implementation, and services that are most likely to be needed during a hurricane ride-out, hurricane planning, and hurricane response and recovery. ESF also serve as the primary operational-level mechanism that provides support during damage assessment and recovery. See [KDP-KSC-P-3007](#), Damage Assessment and Recovery referred to in paragraph 3.6 above.

3.8 Hurricane Coordinator

The Hurricane Coordinator (HC) shall:

- a. Serve as directorate or organization liaison to the NEMO and EOC for storm preparation activities.
- b. Assist in disseminating information to respective organizations for hurricane preparation, response, and recovery.
- c. Develop and maintain complete understanding of this KDP, including all appendixes.

3.9 KSC Directors and Heads of KSC Contractor and Tenant Organizations

KSC Government, contractor, and tenant senior managers shall:

- a. Develop and maintain organizational emergency preparedness plans in accordance with this KDP.
- b. Identify a primary and alternate HC for the respective directorate or organization. Ensure that these individuals obtain and maintain the appropriate training and experience to fulfill this role. Consult the NEMO for assistance, if necessary.
- c. Identify ROT members prior to the start of hurricane season (June 1) and submit these names and roles to the NEMO. The ROT personnel assignments will be confirmed by their respective senior managers when HURCON IV (see Section 4.1.1) is declared; any changes must be submitted to the NEMO as soon as possible.
- d. Support the DART Chief annual meeting in accordance with [KDP-KSC-P-3007](#), Damage Assessment and Recovery, identify DART members prior to the start of hurricane season (June 1), and submit these names and roles to the DART Chief in order to prioritize ESF duties.

4.0 EXECUTION OF STORM PREPARATIONS AND RESPONSE

Since safety is paramount at KSC, personnel shall take the necessary precautions to secure or service flight hardware, provide fire protection and security, repair and fuel generators during the storm, or perform other hurricane response activity, but not to an extent that jeopardizes personnel safety. All personnel shall cease normal operations and take appropriate HURCON actions when notified by the NEMO of a HURCON declaration. All KSC and contractor personnel shall be governed by these strategic principles and adhere to the following order of precedence:

- a. Safety first
- b. Establish Command and Control
- c. Establish security, firefighting, and medical response capability
- d. Sustain recovery forces
- e. Restore and maintain infrastructure
- f. Perform and report damage assessment
- g. Resume normal operations

4.1 Preparation

4.1.1 Upon direction from the NEMO, the EOC shall:

- a. Notify the entire KSC workforce via the Paging and Area Warning System (PAWS) and Exchange-All email that KSC is under threat of a storm.
- b. The WebEOC® online reporting system (commercial off-the-shelf) shall be the primary method of communication between HCs and the EOC. Alternate methods include e-mail, phones, fax, and hot dial phones, where available.
- c. The NEMO shall conduct periodic teleconference status calls with the EDT to provide all senior-level management with the status of storm preparation and response. The EDT teleconferences will commence as required after a HURCON declaration and will continue until the NEMO determines they are no longer required. The EDT call-in phone number and Personal Identification Number will be disseminated by the NEMO before each storm.

4.1.2 The following table contains the HURCONs that are used by KSC to effectively communicate to the workforce the forecasted time of sustained winds at 50 knots (kt)/58 miles per hour (mph) or greater:

KSC Hurricane Conditions	
HURCON	FORECAST
HURCON IV	>50 kt/58 mph winds within 72 hours
HURCON III	>50 kt/58 mph winds within 48 hours
HURCON II	>50 kt/58 mph winds within 24 hours
HURCON I	>50 kt/58 mph winds within 12 hours

4.1.3 The NEMO and EDT shall use the Saffir-Simpson Scale (see table below) to specify hurricane categories, intensity, and potential damages:

STORM TYPE	FORECASTED WINDS	POTENTIAL DAMAGE
Category 1	74 mph–95 mph	Minimal
Category 2	96 mph–110 mph	Extreme
Category 3	111 mph–129 mph	Devastating
Category 4	130 mph–156 mph	Catastrophic
Category 5	157 mph or greater	Catastrophic

4.1.4 KSC hurricane preparations must begin 72 hours in advance of the storm, HURCON IV, or as determined otherwise by the EDT. The NEMO and the EDT shall use the 45 SW Weather Operations Center forecasts for situational awareness and decision-making.

4.1.5 The NEMO shall use KSC Exchange-All e-mail, PAWS announcements, KSCSOS.com, and the Center Status telephone lines (321-861-7900 or 1-866-572-4877) to keep all employees informed of the status at KSC. It is responsibility of all NASA and contractor personnel who work at KSC to check available information resources for Center status. KSC Communication and Public Engagement directorate (PX) will coordinate with local television and radio stations to maintain up-to-date status of KSC.

4.1.6 Base Operations and Spaceport Services (BOSS) Logistics

- a. BOSS contract personnel shall prepare ride-out kits for the ROT, including cots, blankets, flashlights, and batteries.
- b. BOSS personnel shall deliver these items to the EOC in the Launch Control Center (LCC), Building K6-0900, second floor, Room 2R21; Fire Station #2, J6-2370 (modified kit with cots only); and to Security Patrol Headquarters (K6-2496) when HURCON III is announced.
- c. All other ride-out locations shall pick up their respective ride-out kits at the appropriate logistics facility. Additional logistics support and power production personnel may be directed to relocate in advance to set up the EOC to receive the ROT and to interface generators with the facility. Appendix H, Ride-Out Supply, Provisions, and Shelter Staffing, contains a catalog of recommended personal supplies and Government-issued provisions the ROT personnel may need.

4.2 KSC Response

4.2.1 HURCON IV: Upon the NEMO's declaration of HURCON IV, all organizations shall begin the initial notification and preparation phase, which includes the following primary actions:

- a. Implement organization-specific checklists.
- b. Supervisors prepare to implement 24-hour work schedules, if directed.
- c. Confirm that ROT personnel are assigned and available to serve; submit any changes to the NEMO as soon as possible.
- d. Ensure all Government-Owned Vehicles (GOV) and General Services Administration (GSA) vehicles are fully fueled.

e. Prepare and safely stage recovery vehicles and equipment. BOSS Logistics shall furnish an updated list to the EOC.

f. See Appendix B for HURCON IV Actions Checklist.

4.2.2 HURCON III is the phase when most preparations occur. This phase includes the following primary actions:

a. Ensure all GOV and GSA vehicles are fully fueled and parked in designated locations.

b. Brief personnel on return-to-work announcements.

c. Implement organization-specific checklists.

d. Secure facilities, property, and equipment. Refer to Appendix I for a list of critical facilities authorized to receive shutters.

e. Following a mandatory briefing in the NASA Training Auditorium, the Center Director may authorize the release of ROT personnel, with supervisor permission, to return to their homes to attend to personal needs prior to the storm. ROT personnel shall then return to their worksite locations during HURCON I to ride-out the storm in critical facilities/shelters identified in Appendix H, Ride-Out Supply, Provisions, and Shelter Staffing.

f. Report any equipment, vehicle, or manpower shortages to the EOC as soon as possible.

g. See Appendix C for HURCON III Actions Checklist.

4.2.3 HURCON II is the phase when all securing actions shall be completed or terminated. KSC organizations shall initiate the following primary actions for HURCON II: See Appendix D for HURCON II Actions Checklist.

4.2.4 HURCON I is 12 hours prior to the arrival of 50 kt (58 mph) winds. The ROT is sheltered at their designated locations, and Security shall close any remaining open gates after all nonessential personnel are evacuated. See Appendix E for HURCON I Actions Checklist.

4.3 Storm Ride-Out

Unless otherwise directed by the NEMO, the ROT personnel shall remain at their ride-out locations for Tropical Storm through Category 2 storms. For Category 3, 4, and 5 storms, the ROT shall be reduced in force, and the remaining forces shall relocate to the LCC, Building K6-0900. Refer to Appendix G, Composition of the Ride-Out Team, and Appendix H, Ride-Out Supply, Provisions, and Shelter Staffing, for additional direction and instruction.

4.4 Initial Assessment

After the storm has passed, the NEMO shall determine when it is safe to perform the initial damage assessment, which will be initiated by the NEMO's "Weather Safe" command. This term is used to denote that the storm winds have subsided to a safe level so that ROT members can go outside their sheltered locations to assess damages. This decision is made by the NEMO, based on real-time weather information, observation cameras, and a KPSC II security patrol quick drive-around. Once completed, the ROT can start an initial assessment.

Kennedy Space Center Environmental and Medical Contract (KEMCON) personnel maintain a list of “prioritized facilities with potential environmental hazards,” and these facilities should only be entered initially by KEMCON Industrial Hygiene (IH) personnel, or in a team that includes IH personnel. Coordination with the DART Team Chief may be necessary to ensure that none of these facilities are entered by DART personnel prior to IH assessment.

4.5 Recovery

Recovery shall be performed in accordance with [KDP-KSC-P-3007](#), Damage Assessment and Recovery. Following the “Weather Safe” declaration and the arrival of the DART Chief, a transition of the Incident Commander role from the NEMO to the DART Chief will activate KDP-KSC-P-3007.

4.5.1 At this time, mission essential personnel, (those required to bring the Center back to a fully operational level), our commercial customers, tenants and partners (including the Visitor Complex) may return to the Center to begin recovery and restoration of their respective areas of responsibilities. To ensure access to the Center has been granted, call the information hot line at 321-861-7900, or toll free at 866-572-4877, for updated information regarding access. The recorded line will also provide information to notify all employees when the Center has fully reopened for normal business.

4.6 Reopening KSC for Normal Business

4.6.1 The EDT, the NEMO, and the DART Chief (refer to [KDP-KSC-P-3007](#)) shall determine when the recovery efforts result in the ability to safely reopen some or all of KSC for normal business. With concurrence from the Center Director, the NEMO will declare “All Clear.”

4.6.2 All Government and contractor personnel who work at KSC shall call the information hot lines for up-to-date status information: 321-861-7900 (local) or 1-866-572-4877 (toll-free).

4.6.3 PX shall maintain frequent communication with the media and disseminate official statements from the EDT.

APPENDIX A: GENERAL PREPARATORY ACTIONS CHECKLIST

All KSC onsite organizations shall exercise prudent precautions and undertake preparations necessary to protect life and property, including Government and commercial assets, at KSC. The following actions are general in nature. They should be completed by the beginning of hurricane season on June 1 of each year and must be verified by each organization prior to declaration of HURCON IV for each specific storm.

ACTION

- a. Ensure primary and alternate HCs attend the KPSC II Emergency Management Office's annual HC and WebEOC® reporting system training prior to the start of hurricane season (June 1).
- b. Develop and review detailed checklists or implementing instructions, as necessary, to ensure protection of personnel, materials, systems, temporary structures, trailers, facilities, and equipment.
- c. Update facility manager notification procedures, names, and telephone numbers.
- d. Police all outside areas for loose material and secure the materials inside or in place (signs, markers, steps, platforms, free-standing ashtrays, etc.).
- e. Inventory ride-out kits, supplies, etc., and procure, through supply channels, materials to replenish kits as needed to secure and prepare facilities.
- f. Check trailer and portable building tie-downs (refer to [KSC-PLN-1904](#), Trailer/Equipment Tie-down Plan for the John F. Kennedy Space Center). During hurricane season, trailers and portable buildings expected to remain stationary for more than 72 hours must be equipped with tie-downs.
- g. Update recall rosters for all personnel notifications.
- h. Ensure equipment, personnel, and materials are available to accomplish preparation actions.
- i. Establish procedures to protect classified materials.
- j. Report problems and discrepancies that cannot be corrected or resolved to the EOC staff at 321-867-9200 or 321-867-9201 or via e-mail to ksc-eoc@mail.nasa.gov. If prior to HURCON declaration, and the EOC is not activated, call 321-861-3607 or 321-867-8723.

APPENDIX B: HURRICANE CONDITION IV ACTIONS CHECKLIST

HURCON IV is the initial notification and preparation phase. Upon declaration of HURCON IV, organizations at KSC shall implement their unit-specific checklists, and all organizations shall be prepared to implement 24-hour work schedules, if directed. The following actions shall be accomplished by the Point of Contact (POC) upon declaration of HURCON IV:

ACTION	POC
a. Activate and staff the EOC.	NEMO
b. Start a log of events and keep updated through "All Clear."	EOC
c. Ensure HURCON announcement is made via PAWS.	EOC
d. Notify all HCs of HURCON IV.	EOC
e. Begin hurricane preparations in all organizational areas.	HCs
f. Inventory and replenish any low essential supplies.	HCs
g. Report supply shortfalls, unusual requests, and major problems to the EOC, at 321-867-9200 or 321-867-9201, or by e-mail to ksc-eoc@mail.nasa.gov	HCs
h. Identify personnel on ROT as tasked in Appendix G.	HCs
i. Fully fuel all GOV and GSA vehicles.	HCs
j. Update recorded and toll-free telephone message.	EOC
k. Conduct operational test of satellite radio and phones.	EOC
l. Notify KSC Mobil Service Station and KSC fuel supplier to check on-hand quantities and replenish as necessary.	EOC
m. Coordinate with Brevard County regarding actions.	EOC
n. Keep Center Director informed on matters concerning readiness; make recommendations, as required	NEMO
o. Notify NASA Headquarters Office of Protective Services of KSC status.	EOC/NEMO
p. Provide updated list of ride-out kit items to EOC.	BOSS
q. Provide hurricane notification to, and coordinate information with, construction contractors.	BOSS/ TOSC/NE/SI
r. Notify appropriate HC of problems encountered while securing facilities.	Facility Mgrs.

ACTION	POC
s. Validate/update list of prioritized facilities with potential environmental hazards, and send to KSC EOC	KEMCON
t. Provide staffing to the EOC.	ESF
u. Notify EOC after all HURCON IV actions are completed.	HCs
v. Review HURCON III actions in anticipation of possible declaration.	HCs

APPENDIX C: HURRICANE CONDITION III ACTIONS CHECKLIST

HURCON III is the second preparation phase. The following actions shall be accomplished by the POC upon declaration of HURCON III:

ACTION	POC
a. Log all actions.	EOC
b. Ensure HURCON announcement is made via PAWS.	EOC
c. Notify all HCs of HURCON III.	EOC
d. Schedule and announce ROT Briefing.	EOC
e. Conduct ROT Briefing.	EOC
f. Ensure all HURCON IV actions are complete.	All
g. Cover electronic equipment with plastic and elevate if possible.	All
h. Remove loose articles from desktops; close windows, doors, and blinds.	All
i. Secure classified material and equipment.	All
j. Move critical spares and equipment to approved locations.	Users
k. Lower crane booms and secure.	Users
l. Take home all personal food items in all office refrigerators.	All
m. Update recorded and toll-free telephone message.	EOC
n. Verify satellite phone operation.	EOC
o. Dispatch NASA liaison to Brevard County EOC.	EOC
p. Park all GOV and GSA vehicles according to the Vehicle Parking Plan (Appendix L)	HCs
q. Prepare DART equipment for relocation.	DART Chief
r. Prepare post-hurricane recovery materials and equipment.	DART Chief
s. Brief personnel on return-to-work announcements.	HCs
t. Coordinate hours of operation for the food service facility.	EOC/NEMO

ACTION	POC
u. Deliver shutters to predetermined staging locations.	BOSS
v. Provide electrical generator power to facilities with sump pumps.	BOSS
w. Provide hurricane notification to, and coordinate information with, construction contractors	BOSS/TOSC/ NE/SI
x. Ensure construction contractors protect partially complete structures and secure all loose items and equipment.	BOSS/TOSC/ NE/SI
y. Place crews on standby to operate vehicles and heavy equipment.	BOSS
z. Ensure Spaceport Integration Center (BOSS Duty Office) has coordinated bridge closing with Coast Guard.	EOC
aa. Identify all mission essential personnel and recall, as necessary, for storm preparation or place on standby.	Mgrs./Supvs.
bb. Provide escorts for heavy equipment.	KPSC II
cc. Coordinate with Brevard County regarding actions .	EOC
dd. Make decision to stop all KSC tours.	EDT/PX
ee. Ensure Ride-Out Kits are ready for distribution.	BOSS/TOSC
ff. Provide EOC (via WebEOC® reporting system) a roster with location and phone number of all personnel scheduled to remain as part of the ROT.	Mgrs./Supvs.
gg. Discuss Computer Data Center shutdown procedures.	NEMO/KIAC/IT
hh. Make decision to take down antennas and instruments or protect in place.	Users
ii. Ensure all outside hazardous materials and designated storage sites are secure.	Users
jj. Notify news media of KSC duty status.	PX
kk. Secure chemical toilets and ensure potable water tanks are operational.	BOSS
ll. Install all generators at designated facilities.	BOSS
mm. Remove and secure all portable signs.	BOSS

ACTION	POC
nn. Close airfield to all incoming aircraft except hurricane reconnaissance and emergency aircraft.	SPFL
oo. Install shutters at designated facilities.	BOSS
pp. Evacuate aircraft and helicopters, or secure in place.	Flight Ops
qq. Clear Shuttle Landing Facility ramps, runways, and taxiways.	SPFL
rr. Secure cargo and close all aircraft (if aircraft cannot depart).	SPFL
ss. Provide portable generators as required by the EOC.	BOSS
tt. Secure all facility systems according to internal plans.	KIAC
uu. Notify news media of KSC duty status.	PX
vv. Consider decision to reduce and evacuate members of the ROT based on the storm category.	EDT
ww. Keep Center Director informed on matters concerning readiness; make recommendations, as required.	NEMO
xx. Notify NASA Headquarters Office of Protective Services of KSC status.	EOC/NEMO
yy. Notify KSC Mobil Service Station and KSC fuel supplier to check on-hand quantities.	EOC
zz. Conduct operations test of satellite radio and phones.	EOC
aaa. Provide updated list of ride out kit items to EOC.	BOSS
bbb. Notify appropriate EC of problems encountered while securing facilities.	Facility Mgrs.
ccc. Provide staffing to the EOC.	ESF
ddd. Notify EOC after all HURCON III actions are completed.	HCs
eee. Review HURCON II actions in anticipation of possible declaration.	HCs

APPENDIX D: HURRICANE CONDITION II ACTIONS CHECKLIST

HURCON II is the phase when most preparation activities shall be completed and evacuation of nonessential personnel *may* be directed. The following actions shall be accomplished by the POC upon declaration of HURCON II:

ACTION	POC
a. Log all actions.	EOC
b. Ensure HURCON announcement is made via PAWS.	EOC
c. Notify all HCs of HURCON II.	EOC
d. Ensure all HURCON III actions are complete.	All
e. Communications check with NASA liaison at Brevard County EOC.	EOC
f. Ensure weather advisories and HURCON changes are announced over PAWS and the ENS.	EOC
g. Update recorded and toll-free telephone message.	EOC
h. Coordinate NASA actions with Brevard County Emergency Manager and 45 SW.	EOC
i. Ensure hurricane supplies and Hurricane Kits have been issued or delivered	EOC/BOSS
j. Report any requests for assistance from civil authorities to NEMO.	EOC
k. Keep Center Director informed on matters concerning readiness; make recommendations as required.	EOC/NEMO
l. Keep NASA Headquarters Office of Protective Services informed on KSC status.	NEMO
m. Designate Communications Net 205 as the primary hurricane communication net at KSC.	EOC
n. Upon request from KIAC Communications Control, secure the Vehicle Assembly Building (VAB) Repeater EOC/Security and Banana River Repeater site gates (321-861-6677 or 321-861-2121).	IT
o. Notify appropriate EC of any problems securing facilities.	Facility Mgrs
p. Ensure immediate access to LCC for ROT.	EOC
q. Make decision to secure computer data as necessary.	KIAC

ACTION	POC
r. All dumpsters shall be latched and moved to parking lots at K6-0848, M6-0486, and M7-0355.	BOSS
s. Maintain accountability of all personnel.	Mgrs./Supvs
t. Notify appropriate EC of any problems incurred.	Facility Mgrs.
u. Coordinate with Brevard County EOC regarding actions.	EOC
v. Provide status reports to the EOC via WebEOC® reporting system.	HCs
w. Notify EOC when all HURCON II items are complete.	HCs
x. Review HURCON I actions in anticipation of possible declaration.	HCs

APPENDIX E: HURRICANE CONDITION I ACTIONS CHECKLIST

HURCON I is the phase when all securing actions shall be completed or terminated. The ROT shall be sheltered. Security shall secure the gates after all nonessential personnel are evacuated. Security shall shelter or evacuate to a ride-out facility as directed by the NEMO.

ACTION	POC
a. Log all actions.	EOC
b. Notify all HCs of HURCON I declaration.	EOC
c. Ensure all HURCON II actions are complete.	All
d. Notify the EOC via WebEOC® reporting system of changes in status and location of ROT.	HCs
e. Update recorded and toll-free telephone message.	EOC
f. Coordinate NASA actions with Brevard County Emergency Manager and 45 SW.	EOC
g. Report any requests for assistance from civil authorities to NEMO.	EOC
h. Keep Center Director informed on matters concerning readiness; make recommendations as required	EOC/NEMO
i. Ensure that all personnel on the ROT are sheltered at their designated locations.	EOC
j. Keep NASA Headquarters Office of Protective Services informed KSC status	NEMO
k. Maintain accountability of all personnel.	Mgrs./Supvs
l. Notify media of KSC duty status.	PX
m. Close any remaining open gates after all nonessential personnel are evacuated	Security
n. Shelter at a ride-out facility as directed by the EOC.	Security
o. Advise Security, Fire, BOSS ROT Chief, and DART Chief that facilities on KEMCON's prioritized facilities list should not be entered prior to IH assessment.	EOC

APPENDIX F: **RECOVERY PHASE**

KSC shall commence the recovery operations phase once all danger from the storm has passed and upon declaration of "Weather Safe" by the NEMO. After this declaration, the NEMO shall call in the DART. Upon arrival of the DART Chief, a transition from response to recovery will take place. [KDP-KSC-P-3007](#), Damage Assessment and Recovery, will be implemented at this time.

Facilities on KEMCON's list of prioritized facilities with potential environmental hazards should only be entered initially by KEMCON IH personnel, or in a team that includes IH personnel.

APPENDIX G: COMPOSITION OF THE RIDE-OUT TEAM

ROT personnel shall assemble at HURCON III in the NASA Training Auditorium for a briefing, and they may then be released to return to their homes to attend to personal needs before relocating to designated ride-out facilities at HURCON I. The ROT composition is dependent upon variables such as location of flight hardware/mission-critical resources, proximity of storm track, strength of storm, and availability of mission-essential personnel. Because of these variables, the ROT personnel numbers listed below are for planning purposes only. Actual numbers of personnel shall be a real-time decision. Vehicles and support equipment necessary to perform ride-out or recovery actions are the responsibility of each organization.

RIDE-OUT PERSONNEL NUMBERS		
Organization	TS/CAT 1 and 2	CAT 3, 4, and 5
45 SW	19	19
BOSS	40	29
NASA	2	2
TOSC	3	3
KIAC	8	8
KPSC II Security	26	26
KPSC II Fire	29	29
KPSC II Emergency Management	2	2
KPSC II Protective Services Communications Center	3	3
KEMCON	3	3
Lockheed Martin/Orion	2	0
Boeing	1	1
Bechtel	2	2
Total	140	127

APPENDIX H: RIDE-OUT SUPPLY, PROVISIONS, AND SHELTER STAFFING

The shelters are designated as ride-out facilities. At HURCON I, all ROT personnel shall be in shelters. The senior individual in each shelter shall report to the EOC at 2-hour intervals. Outside activities shall cease until "Weather Safe" is declared. Note: The numbers are approximate until storm event.

Facility	Org	Support	Remarks	Hurricane Categories	
				TS, 1, 2	3, 4, 5
K6-0900/LCC	KPSC II	Security	2R21	1	1
K6-0900/LCC	KPSC II	Fire Chief	2R21	1	1
K6-0900/LCC	KPSC II	Emergency Management	2R21	2	2
K6-0900/LCC	45 SW	Weather Squadron	2R21	2	2
K6-0900/LCC	KPSC II	PSCC/2P10	1 Supervisor, 2 Communication	3	3
K6-0900/LCC	BOSS	Safety	2R21	1	1
K6-0900/LCC	BOSS	ROT Chief	2R21	1	1
K6-0900/LCC	BOSS	JSTC/JSDO	IP09	2	2
K6-0900/LCC	BOSS	Power Console Operator	1P09	1	1
K6-0900/LCC	BOSS	Utilities Console Operator	1P09	1	1
K6-0900/LCC	KIAC	Communications Technician	OIS Techs	2	2
K6-0900/LCC	NASA	NASA Emergency Management Officer		1	1
K6-0900/LCC	NASA	PX		1	1
K6-0900/LCC	Boeing	Project Management Specialist		1	1
K6-0900/LCC	TOSC	TOSC Emergency Preparedness Coordinator and Safety		1	1
K6-0900/LCC	45 SW	Commander's Senior Staff		17	17
K6-0900/LCC	KEMCON	Environmental Health	IH Program Manager	1	1
K6-0900/LCC	KEMCON	Environmental Health	IH Specialists	2	2
K6-0947/UA	BOSS	Boiler Mechanical Operator & Rover	VAB UA High Temperature Hot Water Operations	1	K6-0900* 1
K6-0947/UA	BOSS	Air Conditioning Mechanical	VAB UA Chilled Water Operations	1	K6-0900* 1
K6-1446K/EMF	BOSS	Electric Power	Supervisor	1	K6-0900* 1

Facility	Org	Support	Remarks	Hurricane Categories	
				TS, 1, 2	3, 4, 5
K6-1446K/EMF	BOSS	Electric Power	High Voltage Switchmen	2	K6-0900* 2
K6-1446K/EMF	BOSS	Electric Power	Low Voltage Electrician	2	K6-0900* 2
K6-1446K/EMF	BOSS	Electric Power	High Voltage Lineman	2	K6-0900* 2
K6-1446K/EMF	BOSS	Electric Power	Power Generation	2	K6-0900* 2
K6-1446K/EMF	BOSS	Electric Power	Relay & Test	2	K6-0900* 2
K6-1446K/EMF	BOSS	Protective Systems	Alarm Technicians	2	X
K6-2496/ Security Patrol HQ	KPSC II	Security/Law Enforcement		25	25
M6-0138/ CD&SC	KIAC	Communications Control		2	K6-0900* 2
M6-0138/ CD&SC	KIAC	Communications Technician		2	K6-0900* 2
K6-1246/UtilBld	BOSS	Supv. Util./Fac./HE/Roads	O&M Management	1	K6-0900* 1
K6-1246/USF	BOSS	Carpenter/Roof	Structures Crew	2	X
K6-1246/USF	BOSS	Support Services Mechanics	Mechanical and Structures Crew	2	K6-0900* 2
K6-1246/USF	BOSS	Heavy Equipment Operator	Roads	2	K6-0900* 1
K6-1246/USF	BOSS	Equipment/Driver	Roads	2	X
K6-1246/USF	BOSS	Heavy Equipment Mechanics	Heavy Equipment	2	X
M6-0589/ Support Bldg.	BOSS	Cranes	Operator	1	K6-0900* 1
M6-0589/ Support Bldg.	BOSS	Cranes	Rigger	2	K6-0900* 1
M6-0744/CSF	BOSS	Logistics	Warehouse/Log-Fuel Support	1	K6-0900* 1
M7-0407/ Industrial Area Chiller Plant	BOSS	Air Conditioning Mechanics	IACP and Industrial Area CHW Ops/Rover	2	K6-0900* 1
K6-1246/UtilBld	BOSS	Water and Waste Mechanics	Water and Waste, Lift Stations	2	K6-0900* 2
M6-0791/ Communications Maintenance and Storage	KIAC	Radio Technicians		2	K6-0900* 2

Facility	Org	Support	Remarks	Hurricane Categories	
				TS, 1, 2	3, 4, 5
M7-0355/Neil Armstrong Operations and Checkout Bldg.	Lockheed Martin/ Orion	Spacecraft Technician	Industrial Operating Zone	2	X
M7-0360/SSPF	TOSC	Technicians	Rm 1033/1035	2	2
M6-0695/Fire Station #1	KPSC II	Fire Personnel		6	J6-2370* 6
J6-2370/Fire Station #2	KPSC II	Fire Personnel		18	18
J7-1339/Fire Station #3	KPSC II	Fire Personnel		4	J6-2370* 4
K6-0900/LCC	Bechtel	ML2 Construction	ESH Manager	1	1
K6-0900/LCC	Bechtel	ML2 Construction	Construction Manager	1	1
			Totals:	140	127

* - Indicates personnel have relocated to new facility.

X - Indicates personnel have been released and shall return when DART is called in.

When recalled, ROT personnel must bring with them the following personal items, in quantities sufficient to last a minimum of 72 hours.

- a. Toiletries
- b. Food, snacks, and bottled water (if preferred over tap water)
- c. Medications
- d. Changes of clothing/underwear
- e. Washcloth/towels
- f. Any desired bedding, pillows, sheets, sleeping bag, etc.
- g. Any desired battery-operated radio, personal devices, spare batteries, and earphones
- h. Any desired slippers or shower shoes, or similar footwear

The following shall not be allowed:

- a. Dependents
- b. Alcoholic beverages
- c. Weapons
- d. Pets/animals

Cots, flashlights, batteries, and blankets are obtainable from Supply. They can be issued to ROT personnel at the onset of HURCON I when they are activated. The supplies may be checked out from multiple support centers.

Test and Operations Support Contract (TOSC) maintains their own kits. TOSC employees may check out supplies from the following locations:

- a. TOSC Logistics Warehouse
- b. Logistics Facility (K6-1547)
- c. TOSC designated TOSC Materials Service Center

EOC ROT Personnel

Ride-out kits to support 45 personnel will be delivered to LCC (K6-0900) EOC, Room 2R21 (includes 2 contingency kits). The kits will include the following:

- a. Cots (45 each)
- b. Blankets (45 each)
- c. Batteries (180 each)
- d. Flashlights (45 each)

Security Personnel

Ride-out kits to support 25 personnel will be delivered to Security Patrol HQ (K6-2496). The kits will include the following:

- a. Cots (25 each)
- b. Blankets (25 each)
- c. Batteries (100 each)
- d. Flashlights (25 each)

All other ROT personnel

50 kits will be delivered to Utility Shops Facility (K6-1246) (includes 2 contingency kits). The kits will include the following:

- a. Cots (50 each)
- b. Blankets (50 each)
- c. Batteries (200 each)
- d. Flashlights (50 each)

14 cots will be delivered to Fire Station #2 (J6-2370). No blankets, batteries, or flashlights will be delivered.

APPENDIX I: CRITICAL FACILITIES REQUIRING SHUTTERS

The facilities listed below are authorized to receive shutters. No other facilities shall receive shutters unless coordinated through the EOC. Facility managers are responsible for ensuring shutters are installed on their respective facilities. Shutters shall be installed at HURCON II.

Organizations with new requirements or changes to the current shutter list shall make their requirements known, by letter, to Chief, KPSC II Emergency Management, by May 15 each year.

KSC Shutter/Critical Facility Listing

Building	Building Name	Shutters
M6-0138	Communications Distribution and Switching Center (CD&SC)	6
M6-0495	Dispensary (Occupational Health Facility)	13
M6-0883	KSC Child Development Center	41
K6-0900	LCC	21
K6-2496	Security Patrol Headquarters	4
L6-0146	Engineering and Admin Building (Booster Fabrication Facility)	51
	Total:	136

APPENDIX J: GENERATOR PLAN

Depending upon the size and strength of a particular storm, portable generators *may* be used for critical flight hardware and high-value and mission-critical assets.

Directorates or organizations with portable generator requirements other than the permanently installed generators listed below shall make their requirements known by emailing the Generator Request Form, Appendix K, to KPSC II Emergency Management by May 15 each year. The form shall be e-mailed to KSC-EOC@mail.nasa.gov. Facility Managers need to coordinate buildings and facilities to be surveyed by the Electrical Shop and Power Production to ensure portable generator requirements are known.

The KPSC II EOC Manager shall confer with the NASA Emergency Management Officer on final approval to deploy a portable generator to a facility that did not have a requirement at the beginning of hurricane season.

KSC Permanently Installed Generators

Location	Facility Location	Rating		Function
		Kilowatts	Volts	
E4-2414A	Emergency Generator Bldg. at the Haulover Bridge	60	480	Entire Facility
M3-0147	Emergency Generator Bldg. at the Indian River Bridge	200	480	Entire Facility
M6-0495D	Emergency Generator Bldg. at the Dispensary (Occupational Health Facility)	205	208	Portion of Facility
M7-0301	KSC Central Campus Headquarters Bldg. (West Side)	800	480	Portion of Facility (Critical Loads)
M6-0547	Kennedy Data Center	380 (2)	Variable	Entire Facility
K6-1091	Emergency Power Station at the C5 – Emergency Power Plant	2000	13,800 5 each	Backup Feeders A1, 518, 612, 618, 614
H2-1245	Generator Bldg. at the Jay Jay Railroad Bridge	90	208	Entire Facility
N6-2296	Central Telemetry Building 4	900	480 2 each	Entire Facility
J6-2370	Fire Station #2	230	208	Entire Facility
J6-0490A	500-Foot Weather Tower	125	480	Tower
K7-1203	Emergency Generator Bldg. at the Press Site	500	480 2 each	Entire Facility
M6-0493C	Emergency Generator Bldg. at the Industrial Area Support Building	60	208	Food Freezers
M6-0139	Emergency Generator Bldg. at the CD&SC	350	480 3 each	Entire Facility
M6-0791	Emergency Generator at the Communications Maintenance and Storage	7.5	208	Radio Tower

Location	Facility	Rating		Function
		Kilowatts	Volts	
C2-1306	Emergency Generator Bldg. at the Radar Tower	135	208	Entire Facility
M6-0342D	Generator Enclosure #1	250	208	Portion of Facility
M6-0342D	Generator Enclosure #2	350	480	Portion of Facility
M7-0355	Emergency Generator at the Neil Armstrong Operations and Checkout Bldg.	150	480 2 each	Portion of Facility
M7-0360	Space Station Processing Facility, Life Safety	150	480	Portion of Facility
M7-0360	Space Station Processing Facility, 1.2 M Site	1200	480	Portion of Facility
M7-0360	Space Station Processing Facility, 2.0 M Site	2000	4160	Portion of Facility
M7-1354	Payload Hazardous Servicing Facility	1000	480	Entire Facility
M6-0336	Electromagnetic Lab	60	208	Portion of Facility
M7-0531	Banana River Repeater Station	60	208	Entire Facility

APPENDIX K: GENERATOR REQUEST FORM

GENERATOR REQUEST FORM
([KPSCII-EMG-F-6010](#))

Date: _____

TO: KSC Emergency Management
EMAIL: KSC-EOC@mail.nasa.gov

FROM: _____

SUBJECT: REQUEST FOR GENERATOR SUPPORT FOR HURRICANE PREPARATION

Request generator for Building # _____

Area of location:

Generator size: _____ KW: _____

Generator disconnects installed on the facility? Yes/No _____

Generator tie-down anchors installed to secure generator? Yes/No _____

Point of contact: _____ Phone: _____

JUSTIFICATION:

Note: Installation of generator disconnect switches and power cables on required facilities are required for effective hurricane preparation. A tag will be installed on the disconnect switch stating generator size, voltage, and phase rotation (CW or CCW).

Office of Primary Responsibility (OPR)

APPENDIX L: **VEHICLE PARKING PLAN**

All organizations and contractors that possess and use GOV and GSA vehicles are responsible for the care and protection of the vehicles. Parking inside is the preferred method for wind protection, but the major concern is storm surge. Golf carts, tugs, forklifts, and other slow-moving and small vehicles will be sheltered by the user. It is not feasible to evacuate or shuttle these vehicles to alternate locations. The following procedures shall apply to securing vehicles:

When Hurricane Condition III is declared, vehicles not in use shall be fully fueled, parked with parking brake set, doors unlocked, and key in the ignition.

The following parking areas are designated as parking sites for GOV and GSA vehicles not otherwise dispatched to employees released from duty and which are not moved to areas west of KSC:

- a. KSC Central Campus Headquarters Building Parking Lots: All vehicles normally parked in the KSC parking lots each night shall be parked in the usual parking spaces.
- b. Neil Armstrong Operations and Checkout Building (O&C) Parking Lot, South and East Sides: All vehicles normally parked in the south and east parking lots, plus all vehicles normally parked on the west side between the O&C and the KSC Training Auditorium, shall be parked in their usual parking spaces.
- c. Central Instrumentation Facility Parking Lot: All vehicles normally parked in the Central Instrumentation Facility parking lot each night shall be parked in their usual parking spaces.
- d. Base Operations & Spaceport Services (BOSS) Parking: All vehicles assigned to the BOSS contract shall remain in their usual parking spaces except for those specified in paragraphs f. and g.
- e. Field West of Central Supply: Central Supply and delivery vehicles shall be parked in this field.
- f. VAB Parking Site: All vehicles normally parked inside the VAB fenced area shall be relocated and parked in the large parking lot (Area C parking lot) in front, and to the south, of the VAB. (The VAB Inside Parking Plan will be reviewed and posted prior to hurricane season.)
- g. Vehicles in the Launch Complex 39 area will be parked in their normal parking spaces, except those east of the Converter Compressor Facility, which shall be parked in the Area C parking lot in front, and to the south, of the VAB.
- h. TOSC Logistics Facility Parking Lot: All vehicles assigned to TOSC Logistics Facility shall use their normal parking spaces. All TOSC delivery vehicles shall be parked on the tarmac south of the TOSC Logistics Facility.
- i. Fire Department, Occupational Health, Environmental Health, and Security: All vehicles shall be parked and secured at their respective facilities and parking areas.
- j. Base Support Building (M6-0486): All vehicles normally parked in the Maintenance and Operations Building operations area shall be parked in the parking lot east of the Base Support Building.

k. Heavy Equipment Shop (K6-1996): All vehicles normally parked in K6-1996 parking lot shall remain in this area.

l. Supply Warehouse #2 (M6-0698): All vehicles shall be parked in the open area immediately east of the warehouse.

m. NASA vehicles normally parked at NASA facilities on CCAFS shall be parked in the east parking lot of the Space Station Processing Facility.

APPENDIX M: DEFINITIONS OF TERMS

All: Individuals and organization tasked with a specific function during hurricane preparations.

All Clear: This term is used to denote that winds have subsided to a safe level, a thorough look around the Center for hazards has been accomplished, the recovery teams have assessed all damages, and the Center has been declared safe for employees to return to work.

Brevard County Emergency Operations Center (EOC) NASA Liaison: An individual from the NASA Protective Services Office is dispatched to the Brevard County EOC as a liaison and sits on console to provide and receive information between the county and KSC.

Damage Assessment and Recovery Team (DART): Individuals with uniquely specialized skills who are declared mission-essential by their organizational managers and who return to KSC following a storm to restore the infrastructure, assess damage, safe systems, and bring the Center back online.

Damage Assessment Team: This team is composed of engineers with structural, mechanical, electrical, and cost-estimating skills who assess monetary damages to the Center and provide an overall cost estimate to senior management. The composition of the Damage Assessment Team membership is drawn from the DART.

Emergency Decision Team (EDT): The EDT includes the KSC Center Director, KSC senior management, and representation from contractor senior management. The KSC EDT shall convene when a hurricane threat is determined by the NEMO to exist or is imminent. The EDT makes recommendations to the Center Director for HURCON declaration.

Emergency Management Office: The NASA KPSC II office tasked with the contractual responsibility for emergency management, operating the EOC, writing and updating plans and procedures, providing training, and responding to emergencies.

Emergency Notification System (ENS): The ENS is an Agency-wide system that sends messages, both Agency- and Center-related, to all KSC personnel on KSC and CCAFS property in the event of an emergency or emerging situation at a NASA facility. Notification is via multiple communication methods (e.g., e-mail, text, cellular, home, and office numbers).

Emergency Operations Center (EOC): The EOC is the focal point for providing support and management to all the individuals and specialized teams before, during, and after a storm. The EOC is located in the LCC, Building K6-0900, Room 2R21.

Emergency Responders: KSC firefighters, security, paramedics, emergency medical technicians, public health professionals, and others as required, dispatched to the scene of an incident site.

Emergency Support Functions (ESF): ESF are groupings of capabilities into an organizational structure that provides the support, resources, program implementation, and services that are most likely to be needed during an incident. ESF also serve as the primary operational-level mechanism that provides support during an incident.

Hot Dial Phones: Hot dial phones automatically dial a preprogrammed number when the handset is lifted.

Hot Lines: A term used to identify special recorded phone lines that provide the latest status of the KSC during a tropical storm or hurricane threat. At KSC these numbers are 321-861-7900 and 866-572-4877.

Logistics Support Center: Locations where cots, blankets can be obtained for use by the Ride-Out Team and, if necessary, the DART and Damage Assessment Team. The TOSC Logistics Warehouse, located in K6-1547, and the Base Operations & Spaceport Services (BOSS) contract, located in K6-1246, operate these logistical support centers.

Mission-Essential Personnel: Those individuals, both Government and contractor, who have been designated by organizational managers as having required special skills to keep KSC functioning and online during a tropical storm or hurricane. These individuals make up the Ride-Out Team, Damage Assessment Team, and DART. Organizational managers designate them as mission-essential at HURCON IV.

NASA Emergency Management Officer (NEMO): NASA person responsible for emergency management on KSC. This individual is also known as the Emergency Management Program Manager and is delegated in the KSC Business World as the Emergency Preparedness Officer and Center Continuity of Operations Coordinator.

NASA Protective Services Office (PSO): This office includes Center Security, Emergency Management, Fire Protection, Authority Having Jurisdiction, and the Continuity of Operations Coordinator.

NASA Kennedy Protective Services Contract (KPSC) II: The contractor that has the responsibility to provide fire, emergency medical, security, and emergency management for KSC. This contractor operates the Emergency Management Office, writes plans and procedures for Government approval, and staffs and operates the EOC.

Nonessential Personnel: Government and contractor personnel who have no assigned duties to perform for preparation for, response to, and recovery from a tropical storm or hurricane affecting KSC.

Protective Services Control Center (PSCC): This control center is located at the KSC LCC, Building K6-0900, Room 2P10. This center receives all emergency calls (911) on KSC and dispatches/notifies emergency responders according to Standard Operating Procedures. The PSCC also provides support to the IC during an emergency.

"Weather Safe": This term is used to denote that the storm winds have subsided to a safe level so that Ride-Out Team members can go outside their sheltered locations to assess damages. This decision is made by the NEMO, based on real-time weather information, observation cameras, and a quick drive-around. At his discretion, the NEMO may choose to base this declaration on the threshold utilized by the 45 Space Wing: when winds in excess of 35 knots (40 mph) have subsided for a sustained period of two hours or more. Once completed, the DART can be called in to start assessment and recovery actions.

WebEOC® Reporting System: A registered trademark software program that is used, operated, and maintained by the KPSC II Emergency Management Officer. This Web-based program is a commercial off-the-shelf work management program used to record preparedness, response,

and recovery actions, as well as to access links to hurricane plotting, training, and real-time HURCON status updates.

APPENDIX N: ACRONYMS AND ABBREVIATIONS

45 SW	45th Space Wing
BOSS	Base Operations & Spaceport Services
CAT	Category
CCAFS	Cape Canaveral Air Force Station
CD&SC	Communications Distribution and Switching Center
CSF	Central Supply Facility
DART	Damage Assessment and Recovery Team
EDT	Emergency Decision Team
EMF	Electrical Maintenance Facility
ENS	Emergency Notification System
EOC	Emergency Operations Center
ESF	Emergency Support Function
GOV	Government-Owned Vehicle
GSA	General Services Administration
HC	Hurricane Coordinator
HURCON	Hurricane Condition
IT	Information Technology and Communications Services
KSC	Kennedy Space Center
KDP	Kennedy Documented Procedures
KIAC	Kennedy Infrastructure, Applications and Communications
KPSC II	Kennedy Protective Services Contract II
KEMCON	Kennedy Environmental and Medical Contract
Kt	Knot
LCC	Launch Control Center
Mgrs.	Managers
mph	Miles Per Hour
NASA	National Aeronautics and Space Administration
NEMO	NASA Emergency Management Officer
OIS	Operational Intercom System
PAWS	Paging and Area Warning System
PLN	Plan
POC	Point of Contact
PX	Communication and Public Engagement directorate, KSC
PSCC	Protective Services Control Center
ROT	Ride-Out Team
SD	Storm Dependent
SI	Spaceport Integration and Services directorate, KSC
SPFL	Space Florida
SSPF	Space Station Processing Facility
Supvs.	Supervisors
TOSC	Test and Operations Support Contract
TS	Tropical Storm
UA	Utility Annex
USF	Utility Shop Facility
VAB	Vehicle Assembly Building